INDIANA DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS DIVISION

SAMPLE MATERIAL CERTIFICATION FORMS
ITM No. 804-02P

1.0 SCOPE.

1.1 This procedure covers the sample forms to be used for various types of material certifications. Type A, Type B, Type C, Type D and Buy American sample forms are in accordance with the Department's Standard Specifications, Section 916.03. The sample certificate forms contained herein pertain to specific materials and will be as follows:

FORM NAME		ITM SECTION #
a.	Compliance for Plants	4.1
b.	Nursery Inspection	4.2
c.	Welding Electrode	4.3
d.	Fly Ash Source	4.4
e.	Cement	4.5
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g.	Geotextile Used with Underdrains	4.7
h.	Ground Granulated Blast Furnace Slag Source	4.8
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s.	Certification of Compliance for Structural Steel Coating Systems	4.19

1.2 The values stated in either SI metric or acceptable English units are to be regarded separately as standard, as appropriate for a specification with which this ITM is used. Within the text, English units are shown in parenthesis. The values stated in each system may not be exact equivalents; therefore each system shall be used independently of the other, without combining values in any way.

2.0 TERMINOLOGY. Definitions for terms and abbreviations shall be in accordance with the Department's Standard Specifications, Section 101. Unless shown otherwise, the types of certifications shall be in accordance with the Department's Standard Specifications, Section 916.02.

3.0 SIGNIFICANCE AND USE. This ITM provides sample forms containing required information about materials. Depending on the material, the forms shall be completed and submitted by the Contractor, a manufacturer, a supplier, a fabricator, or other designated companies furnishing the material to a Department's contract. The information may be presented in a format convenient to the company, but the information shall be complete, accurate, pertaining to the materials furnished, and without omissions of required information shown on the sample forms.

4.0 SAMPLE FORMS.

4.1 Compliance for Plants.

CERTIFICATION OF COMPLIANCE FOR PLANTS

I hereby certify that the following listed plants which were supplied to _____ for contract No._____ comply with Indiana Department
Contractor
of Transportation specifications set out in subsection 914.08.

The number and species of plants supplied shall be listed in this space. The species shall be the exact pay item.

I understand that State and/or Federal funds are involved in the work in which this material will be used and that any misrepresentation on my part constitutes fraud.

_____ _____
Date Company of Grower

_____
Signature of Company Official

I certify that the plants listed above are those used on contract _____.

_____ _____
Date Signature of Contractor

4.2 Nursery Inspection.

CERTIFICATE OF NURSERY INSPECTION

No. _____Indianapolis, Indiana, Date _____

This is to certify that the nursery stock grown by _____ located at _____, Indiana, consisting of _____ hectares (_____ acres), has been inspected by the undersigned or his authorized representative, on _____, 19____ in compliance with Indiana Code 14-24-5, 14-24-9, 14-24-10, and 14-24-11, and has been found apparently free from destructively injurious insects and plant diseases.

This certificate covers _____and is valid, unless revoked for cause until October 1, 19_____.

Signed _____State Entomologist

4.3 Welding Electrode.

WELDING ELECTRODE CERTIFICATION

_____
Manufacturer's Name and Address

Supplied to: _____

Date_____ Quantity_____ Order No._____ Project No._____

This is to certify that _____ ASTM-AWS classification (EXXX) as
(trade name)
supplied under the above order number, is of the same classification, manufacturing process, and material requirements as the electrodes tested on _____, 19____.

All tests required by specification AWS A5.1 or AWS A5.5 were performed in accordance with this specification and the above electrode met all the requirements. The electrodes are marked in accordance with AWS A5.1 or AWS A5.5.

The chemical and mechanical properties of the deposited weld metal were as follows:

Property	**5/32 in. (4 mm)**		**3/16 in. (5 mm)**		**1/4 in. (6 mm)**	
	DC +	AC	DC +	AC	DC +	AC
Tensile Strength psi (kPa)						
Yield Strength psi (kPa)						
Elongation % in 2k						
Charpy V Notch Ft Lbs (N m) at ___^{0}F ___^{0}C						
Manganese %						
Silicon %						
Nickel %						
Chromium %						
Molybdenum %						
Vanadium %						
Fillet Tests Position as required						
Radiographic Test						

Fillet Test, Radiograph, Chemistry, and Mechanical Properties are not required

for the following sizes:_____

_____ _____ _____
Operations supervised by Chief Engineer Director

4.4 Fly Ash Source.

FLY ASH SOURCE CERTIFICATION

_____, as contracted by, _____
Broker Power Company

certifies that all class_____ fly ash, produced by the _____
(F or C) (Name and/or Unit No.)
Power Plant of _____,
(Power Company)

located in _____, _____, shipped for
(City) (State)

use on Indiana Department of Transportation projects will be produced under appropriate quality control and will comply with all AASHTO M 295 Specifications and Indiana Department of Transportation Standard Specifications requirements.

_____, as contracted by,_____
Broker Power Company

shall comply with the Indiana Department of Transportation Standard Specifications for all quality assurance testing and reporting requirements.

_____ _____
Date Broker

_____
Signature

_____ agrees that any part of the above named
Power Company
power plant associated with the production of such fly ash may be checked by properly identified representatives of the Indiana Department of Transportation.

_____ _____
Date POWER COMPANY

_____
SIGNATURE

4.5 Cement.

CEMENT CERTIFICATION

The _____
(manufacturer and location)

certifies the type _____cement in this shipment
(type of cement)

conforms to the requirements of the Indiana Department of Transportation Standard Specifications; and

Source of Shipment_____;
(if other than production location)

Purchaser and/or Consignee _____;

Point of Delivery _____;

Silo Identification _____;

Carrier and Truck Number _____;

Date of Shipment _____;

Quantity of Cement in kilograms (pounds) _____;

and Other Information _____;

_____.

If Portland-Pozzolan cement, type IP or IP-A, is being shipped, the certification shall further state:

Class of ASTM C 618 Fly Ash _____; and Percentage of Pozzolan_____% based on the mass of the Portland-Pozzolan cement.

_____ _____
Date SIGNATURE

4.6 Geotextile Used under Riprap.

CERTIFICATION FOR GEOTEXTILES USED UNDER RIPRAP

_____ is a non-woven geotextile consisting of strong, rot resistant, chemically stable long-chain synthetic polymer material dimensionally stable with distinct and measurable openings. The plastic yarn or fibers used in this geotextile consist of a longchain synthetic polymer composed of at least 85 percent by mass of polyolefin, polyesters, or polyamides; and contains stabilizers and inhibitors added to the base plastic to make the filaments resistant to deterioration due to ultraviolet and heat exposure. This geotextile is calendered or otherwise finished so that the yarns or fibers will retain their relative position with respect to each other.

I hereby certify that _____ primary sampling units were selected in accordance with ASTM D 4354, to represent _____ m2 (_____ sq yds) of _____ geotextile, Lot No. _____. The results of testing each primary sampling unit are reported as follows:

Test	Method	Results	
Tensile Strength	Grab Tensile Strength ASTM D 4632	lbs	(N)
Elongation	Grab Tensile Strength ASTM D 4632		%
Bursting Strength	Mullen Burst ASTM D3786	psi	(kPa)
Puncture Strength	ASTM D 4833	lbs	(N)
Trapezoid Tear	ASTM D 4533	lbs	(N)
Ultraviolet Degradation at 150 hours	ASTM D 4355		% Strength retained for all classes
AOS	ASTM D 4751	_____	AASHTO Std.
Permeability**	ASTM D 4491 (permittivity)		mm/s

*Values represent weaker principal direction where applicable.
**The nominal coefficient or permeability was determined by multiplying permittivity value by nominal thickness. The nominal thickness is measured under a normal load of 1.93 MPa (280 psi).

I understand that State and/or Federal funds and/or services are involved in the work in which this material will be used and that any misrepresentation on my part constitutes fraud.

_____ _____
Manufacturer's Name Signature of Manufacturer's Official

_____ _____
Date Title of Official

4.7 Geotextile Used with Underdrains.

CERTIFICATION FOR GEOTEXTILES USED WITH UNDERDRAINS

_____ is a non-woven needle punched or heat bonded geotextile consisting of strong, rot resistant, chemically stable long-chain synthetic polymer materials, dimensionally stable with each other including selvedges. The plastic yarn or fibers used in this geotextile consist of at least 85 percent by mass of polyolefin, polyesters, or polyamides; and contain stabilizers and inhibitors added to the base plastic to make the filaments resistant to deterioration due to ultraviolet and heat exposure.

I hereby certify that _____ primary sampling units were selected in accordance with ASTM D 4354, to represent _____m2 (_____sq yds) of _____ geotextile, Lot No. _____. The results of testing each primary sampling unit are reported as follows:

Test	Method	Results	
Tensile Strength	Grab Tensile Strength ASTM D 4632	lbs	(N)
Seam Strength	ASTM D 4632	lbs	(N)
Bursting Strength	Mullen Burst ASTM D3786	psi	(kPa)
Puncture Strength	ASTM D 4833	lbs	(N)
Trapezoid Tear	ASTM D 4533	lbs	(N)
Ultraviolet Degradation at 150 hours	ASTM D 4355	% Strength retained for all classes	
AOS	ASTM D 4751	AASHTO Std.	
Permeability**	ASTM D 4491 (permittivity)	mm/s	

*Values represent weaker principal direction where applicable.
**The nominal coefficient or permeability was determined by multiplying permittivity value by nominal thickness.

I understand that State and/or Federal funds and/or services are involved in the work in which this material will be used and that any misrepresentation on my part constitutes fraud.

_____ _____
Date Manufacturer's Name

_____
Signature of Manufacturer's Official

_____
Title of Official

4.8 Ground Granulated Blast Furnace Slag Source.

GROUND GRANULATED BLAST FURNACE SLAG SOURCE CERTIFICATION

This is to certify that all grade _____, ground granulated blast
(100 or 120)

furnace slag (GGBFS), produced by the _____ from granulated
(Manufacturer's Name)

blast furnace slag from _____
(Steel Company)

located in _____, _____
(City) (State)

manufactured at _____
(Location of Manufacturing Plant)

using _____
(Type of Manufacturing Facility)

and shipped for use on Indiana Department of Transportation projects will be produced under appropriate quality control. The GGBFS will comply with all ASTM C 989 Specification and Indiana Department of Transportation Standard Specifications requirements.

_____ also agrees that any part of the above named
(Manufacturer's Name)

steel company and its manufacturing plant associated with the production of such ground granulated blast furnace slag may be checked at regular intervals by properly identified representatives of the Indiana Department of Transportation.

As an approved source of ground granulated blast furnace slag, _____ shall be in accordance with the Indiana
(Manufacturer's Name)

Department of Transportation Standard Specifications for all quality assurance testing and report requirements.

_____ _____
(Date) (Manufacturer's Name)

_____
(Signature)

4.9 Silica Fume.

SILICA FUME CERTIFICATION

This is to certify that all silica fume produced by _____
(Supplier's Name)

from _____ located in
(Manufacturer's Name)

_____, _____ manufactured at
(City) (State)

_____ using
(Location of Manufacturing Plant)

_____ and shipped for use on Indiana Department of
(Type of Manufacturing Facility)
Transportation projects shall be produced under appropriate quality control. The silica fume may be checked at regular intervals by properly identified representatives of the Department.

As an approved supplier of silica fume _____ shall
(Supplier's Name)
be in accordance with all quality assurance testing and reporting requirements.

_____ _____
(Date) (Supplier's Name)

_____
(Signature)

4.10 Type A - Epoxy Coated Reinforcing and Dowel Bars.

TYPE A CERTIFICATE OF COMPLIANCE FOR EPOXY COATED REINFORCING AND DOWEL BARS

CONTRACT NUMBER _____

CONTRACTOR'S NAME _____

STEEL MANUFACTURER'S NAME _____

B/L, INVOICE or MASS (WEIGH) TICKET NUMBER _____

MATERIAL DESTINATION _____
(other than contract location)

This is to certify that the materials furnished for the contract described above comply and are in accordance with the specification limits.

TEST METHOD	SPECIFICATION LIMITS	RANGE OF TEST RESULTS
Epoxy Thickness*	_____	_____
Coating Flexibility*	_____	_____

* Conform to ASTM A 775/A 775M
** This certification shall be prepared by coater for epoxy coated steel

_____ _____
Date Coater Company Name

_____
** Signature of Company Official & Title

4.11 Type B - Reinforcing and Dowel Bars.

TYPE B CERTIFICATE OF COMPLIANCE FOR REINFORCING AND DOWEL BARS

CONTRACT NUMBER _____

CONTRACTOR'S NAME _____

STEEL MANUFACTURER'S NAME _____

B/L, INVOICE OR MASS (WEIGH) TICKET NUMBER _____

MATERIAL DESTINATION (other than contract location)_____

This is to certify that for the contract described above, the materials furnished are as follows:

* BAR DESIGNATION, GRADE & HEAT NUMBER	QUANTITY
_____	_____
_____	_____
_____	_____

The materials comply and are in accordance with the specification limits.

TEST METHOD	SPECIFICATION LIMITS	RANGE OF TEST RESULTS
Tensile Strength*	_____	_____
Yield Strength*	_____	_____
Elongation*	_____	_____
Unit Weight*	_____	_____
Deformation Height* (reinforcing bars)	_____	_____

All Chemical analysis requirements are in accordance with ASTM specifications.

* Conforms to ASTM A 615/A 615M
** This certification shall be prepared and signed by the steel supplier

_____ _____
Date Supplier Company Name

_____
** Signature of Company Official & Title

4.12 Other PCC Sealer.

OTHER PCC SEALER CERTIFICATION

The PCC sealer, _____, manufactured by
(sealer name)

_____ is a _____ based PCC
(manufacturer name) (sealer type)

sealer in accordance with NCHRP 244, Series IV, southern climate weathering test.

The percentage of active ingredients is _____.

The recommended application rate is _____.

The recommended application method is _____.

_____ _____
Date Signature of Manufacturer's Official

_____
Title of Official

4.13 Neutralized Vinsol Resin Air Entraining Admixtures.

NEUTRALIZED VINSOL RESIN AIR ENTRAINING ADMIXTURE CERTIFICATION

_____, manufactured by _____
(admixture name) (manufacturer's name)

is an aqueous solution of vinsol resin that has been neutralized with sodium hydroxide.

The ratio of sodium hydroxide to vinsol resin is one part of sodium hydroxide to _____ parts of vinsol resin, by mass (weight).

The percentage of solids based on residue at 105°C (221°F) is _____.

No other additive of chemical agent is present in this solution.

The recommended dosage is _____.

_____ _____
Date Signature of Manufacturer's Official

_____
Title of Official

4.14 Air Entraining Admixture Manufactured In Proportions Other Than AASHTO T 157 And Type A, B, C, D, and E Admixtures.

AIR ENTRAINING ADMIXTURE MANUFACTURED IN PROPORTIONS OTHER THAN AASHTO T 157 AND TYPE A, B, C, D, AND E ADMIXTURES CERTIFICATION

_____, manufactured by _____
(admixture name) (manufacturer's name)

is in accordance with 912.03 for type _____, _____.
(admixture name)

The ratio of sodium hydroxide to vinsol resin is one part of sodium hydroxide to _____ parts of vinsol resin, by mass (weight).

The ion content of _____ is _____.

Chloride is not added as an ingredient of manufacture.

The recommended admixture dosage is _____.

Attached herewith are dated test reports substantiating full compliance with the specifications. If irregularities are found in the test results, copies of the original data will be submitted prior to reconsideration of the certification.

_____ _____
Date Signature of Manufacturer's Official

_____
Title of Official

4.15 HRWR and HRWRR Admixture Systems.

HRWR AND HRWRR ADMIXTURE SYSTEMS CERTIFICATION

The HRWR or HRWRR system consists of the following admixtures:

_____, type ____ manufactured by _____.
(admixture name) (manufacturer's name)

_____, type ____ manufactured by _____.
(admixture name) (manufacturer's name)

_____, type ____ manufactured by _____.
(admixture name) (manufacturer's name)

is in accordance with 912.03 for type _____, _____.
(admixture name)

The ratio of sodium hydroxide to vinsol resin is one part of sodium hydroxide to _____ parts of vinsol resin, by mass (weight).

The chloride ion content of each admixture is as follows:

_____, _____.
(admixture name) (ion content)

_____, _____.
(admixture name) (ion content)

_____, _____.
(admixture name) (ion content)

Chloride is not added as an ingredient of manufacture.

Each PCC admixture within the HRWR or HRWRR system is in accordance with 912.03.

The recommended admixture dosage is _____.

Attached herewith are dated test reports substantiating full compliance with the specifications. If irregularities are found in the test results, copies of the original data will be submitted prior to reconsideration of the certification.

_____ _____
Date Signature of Manufacturer's Official

_____
Title of Official

4.16 RAPID SETTING PATCH MATERIALS

RAPID SETTING PATCH MATERIALS CERTIFICATION

_____, manufactured by_____
(rapid setting patch material name)

is single packaged dry mix rapid setting patch material for use on bridge decks, highways and similar applications.

_____ requires only water just prior to mixing,
(rapid setting patch material name)

does not contain soluble chlorides as an ingredient of manufacture, nor does it require chemical additives.

_____is packaged in _____ bags.
(rapid setting patch material name) kg (lbs.)

The neat yield is _____ m^3 (yd^3) and shall allow a _____ percent extension, by weight, with a _____ mm (in.) round aggregate.

The shelf life of _____ is _____ months.
(rapid setting patch material name)

The repair depth range is from _____ mm (in.) to _____ mm (in.)

_____ does not require curing material, nor a
(rapid setting patch material name)

bonding agent and may be sealed with an epoxy sealer.

_____ is _____ color.
(rapid setting patch material name)

_____ will be mixed using _____.

_____ is in accordance with ASTM C 928.
(rapid setting patch material name)

_____ _____
Date Signature of Manufacturer's Official

_____
Title of Official

4.17 Geogrid

Certification for Geogrid

_____ is a Geogrid consisting of a regular network of integrally connected polymer tensile elements with aperture geometry sufficient to permit significant mechanical interlock with eth surrounding material. The geogrid structure shall be dimensionally stable and shall be able to retain its geometry under construction stresses. The geogrid structure shall have resistance to damage during construction, ultraviolet degradation, and all forms of chemical and biological degradation encountered in the soil being stabilized.

I hereby certify that _____ Primary sampling units were selected in accordance with ASTM D 4354 (3.2.1.1), to represent _____ syd. (_____ m^2) of _____ geogrid, Lot No. _____. The results of testing each primary sampling unit are reported as follows:

Property	Test Method	Unit	Results (Min)
Aperture Size	Calibered	in. (mm)	_____
Open Area	COE CW02215	Percent	_____
Tensile Modulus			
Machine Direction	GRI, GGI [1,3,4]	lb/ft (N/m)	_____
Cross Machine Direction	GRI, GGI [1,3,4]	lb/ft (N/m)	_____
Ultimate Strength			
Machine Direction	GRI, GGI[2,3,4]	lb/ft (N/m)	_____
Cross Machine Direction	GRI, GGI[2,3,4]	lb/ft (N/m)	_____

1. Secant modulus at 5% elongation measured by Geosynthic Research Institute Test Method GGI, Geogrid Tensile Strength. No offset allowance shall be made in calculating secant modulus.

2. Ultimate Strength measured by Geosynthic Research Institute Test Method GGI, Geogrid Tensile Strength.

3. Results for the machine direction [MD] and cross machine direction [CMD] are required.

4. Minimum average roll values shall be in accordance with ASTM D 4759.

I understand that State and /or Federal funds and/or services are involved in the work in which this material will be used and that may misrepresentation on my part constitutes fraud.

_____ _____

Date Manufacture's Name

_____

Signature of Manufacture's Official

_____

Title of Official

4.18 Compliance for Coating Formulation

Certification of Compliance for Coating Formulation

This certifies the coating formulation_____
(Formulation or product identification)

of _____ manufactured by _____
(Type of coating) (Manufacturer's name)

at _____
(Plant location, city & state)

is in accordance with INDOT Standard Specifications.

No changes have been made to the formulation or to the production process for this coating. The QCP and MSDS's for this coating, which have been provided to the Materials and Tests Division, are current.

_____ _____
(Date) (Signature of manufacturer's representative)

_____
(Title)

4.19 Compliance for Structural Steel Coating Systems

Certification of Compliance for Structural Steel Coating Systems

This certifies the structural steel coating system consisting of

_____,_____
(Primer identification) (Intermediate coating identification)

and _____ manufactured by
(Finish coat identification)

_____
(Manufacturer's Name)

at _____
(Plant location city & state)

is in accordance with INDOT Standard Specifications. No changes have been made to the formulations or the production process of these coatings. The QCP and MSDS's for these coatings, which have been provided to the Materials and Tests Division, are current.

_____ _____
(Date) (Signature of manufacturer's representative)

_____
(Title)